

Appl. No. 10/019,030  
Atty. Docket No. AA411M  
Amdt. dated 03-08-2004  
Reply to Office Action of 09-08-2003  
Customer No. 27752

### AMENDMENTS TO THE CLAIMS

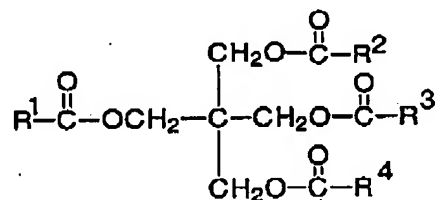
1. (Previously presented) A hair conditioning composition comprising by weight:
  - (a) from about 0.1% to about 20% of a cationic silicone emulsion comprising by weight of the cationic silicone emulsion from about 1% to about 20% of a cationic surfactant; and an emulsifiable amount of a silicone compound having a particle size of less than about 50 microns, wherein the silicone compound comprises a mechanically emulsified polydimethylsiloxane;
  - (b) from about 0.1% to about 15% of a high melting point fatty compound having a melting point of 25°C or higher;
  - (c) from about 0.1% to about 10% of a cationic conditioning agent; and
  - (d) an aqueous carrier.
2. (Original) The hair conditioning composition according to Claim 1 wherein the cationic silicone emulsion comprises by weight from about 2% to about 8% of the cationic surfactant.
3. (Original) The hair conditioning composition according to Claim 1 wherein the silicone compound has a particle size of from about 0.2 microns to about 2.5 microns.
4. (Canceled)
5. (Previously presented) The hair conditioning composition according to Claim 1 comprising by weight from about 0.55% to about 7% of the cationic conditioning agent; the cationic conditioning agent comprising:  
an amidoamine having the following formula:  
$$R^1 \text{ CONH} (\text{CH}_2)_m \text{ N} (\text{R}^2)_2$$
  
wherein  $R^1$  is a residue of  $\text{C}_{11}$  to  $\text{C}_{24}$  fatty acids,  $R^2$  is a  $\text{C}_1$  to  $\text{C}_4$  alkyl, and  $m$  is an integer from 1 to 4; and  
a acid selected from the group consisting of L-glutamic acid, lactic acid, hydrochloric acid, malic acid, succinic acid, acetic acid, fumaric acid, L-glutamic acid hydrochloride, tartaric acid, and mixtures thereof.
6. (Previously presented) The hair conditioning composition according to Claim 1 further comprising by weight from about 0.1% to about 10% of a low melting point oil having a melting point of less than 25°C.

Appl. No. 10/019,030  
 Atty. Docket No. AA411M  
 Amdt. dated 03-08-2004  
 Reply to Office Action of 09-08-2003  
 Customer No. 27752

7. (Original) The hair conditioning composition according to Claim 6 wherein the low melting point oil is an unsaturated fatty alcohol.

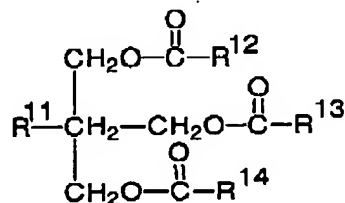
8. (Previously presented) The hair conditioning composition according to Claim 6 wherein the low melting point oil is selected from the group consisting of:

(a) pentaerythritol ester oils having a molecular weight of at least about 800, and having the following formula:



wherein  $\text{R}^1$ ,  $\text{R}^2$ ,  $\text{R}^3$ , and  $\text{R}^4$ , independently, are branched, straight, saturated, or unsaturated alkyl, aryl, and alkylaryl groups selected from the group consisting of  $\text{C}_1$ - $\text{C}_{30}$  alkyl,  $\text{C}_2$ - $\text{C}_{30}$  alkenyl alkyl,  $\text{C}_6$ - $\text{C}_{30}$  aryl, and  $\text{C}_6$ - $\text{C}_{30}$  alkyl aryl;

(b) trimethylol ester oils having a molecular weight of at least about 800, and having the following formula:

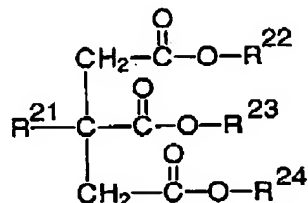


wherein  $\text{R}^{11}$  is an alkyl group having from 1 to 30 carbons, and  $\text{R}^{12}$ ,  $\text{R}^{13}$ , and  $\text{R}^{14}$ , independently, are branched, straight, saturated, or unsaturated alkyl, aryl, and alkylaryl groups selected from the group consisting of  $\text{C}_1$ - $\text{C}_{30}$  alkyl,  $\text{C}_2$ - $\text{C}_{30}$  alkenyl alkyl,  $\text{C}_6$ - $\text{C}_{30}$  aryl, and  $\text{C}_6$ - $\text{C}_{30}$  alkyl aryl;

(c) poly  $\alpha$ -olefin oils derived from 1-alkene monomers having from about 6 to about 16 carbons, the poly  $\alpha$ -olefin oils having a viscosity of from about 1 to about 35,000 cst, a molecular weight of from about 200 to about 60,000, and a polydispersity of no more than about 3;

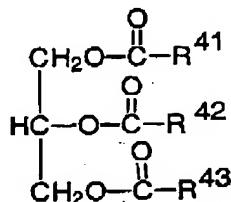
(d) citrate ester oils having a molecular weight of at least about 500, and having the following formula:

Appl. No. 10/019,030  
 Atty. Docket No. AA411M  
 Amdt. dated 03-08-2004  
 Reply to Office Action of 09-08-2003  
 Customer No. 27752



wherein  $\text{R}^{21}$  is OH or  $\text{CH}_3\text{COO}$ , and  $\text{R}^{22}$ ,  $\text{R}^{23}$ , and  $\text{R}^{24}$ , independently, are branched, straight, saturated, or unsaturated alkyl, aryl, and alkylaryl groups selected from the group consisting of  $\text{C}_1$ - $\text{C}_{30}$  alkyl,  $\text{C}_2$ - $\text{C}_{30}$  alkenyl alkyl,  $\text{C}_6$ - $\text{C}_{30}$  aryl, and  $\text{C}_6$ - $\text{C}_{30}$  alkyl aryl;

(e) glyceryl ester oils having a molecular weight of at least about 500, and having the following formula:



wherein  $\text{R}^{41}$ ,  $\text{R}^{42}$ , and  $\text{R}^{43}$ , independently, are branched, straight, saturated, or unsaturated alkyl, aryl, and alkylaryl groups selected from the group consisting of  $\text{C}_1$ - $\text{C}_{30}$  alkyl,  $\text{C}_2$ - $\text{C}_{30}$  alkenyl alkyl,  $\text{C}_6$ - $\text{C}_{30}$  aryl, and  $\text{C}_6$ - $\text{C}_{30}$  alkyl aryl and mixtures thereof.

9. (Original) The hair conditioning composition according to Claim 7 further comprising by weight from about 0.1% to about 10% of a polyethylene glycol having the formula:



wherein  $n$  has an average value of from 2,000 to 14,000.

10. (Previously presented) A method of increasing hair volume by applying the hair conditioning composition according to Claim 1 to the hair.